

**Flood Control Project Maintenance
Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0012	Overall LMA Rating	Total LMA Miles				
Solano County Public Works Mellin Levee	U	0.59				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.11		0.11	18.64%		
Encroachments	0.01		0.01	1.70%	0.77	
Slope Stability	0.01		0.01	1.70%		
<i>LMA Totals:</i>	0.13	0.00	0.13	22.03%	0.77	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2010 Levee Inspection Results

Solano County Public Works Mellin Levee

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Solano County Public Works Mellin Levee

Waterway			Bank	Unit Miles
Unit No. 01 Mellin Levee			Right	0.59
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/5/2010		9/21/2010	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Thomas Pate Solano County Water Agency		Thomas Pate Solano County Water Agency	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Solano County Public Works Mellin Levee

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee						Right	0.59	11/22/2010 11/22/2010	Richard Willoughby

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.00	0.00	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Bamboo on waterside slope	38.174051 ° -121.674221 °	38.174051 ° -121.674221 °	1 Y
2	0.00	0.59	Earthen Levee	Encroachments	WS	PO	Fences	38.174167 ° -121.674312 °	38.178960 ° -121.680600 °	3 Y
3	0.04	0.04	Earthen Levee	Encroachments	LS	M	Abandoned vehicles	38.174470 ° -121.674730 °	38.174470 ° -121.674730 °	8 Y
4	0.08	0.08	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by foot traffic and prevent access where possible.	38.174948 ° -121.675263 °	38.174948 ° -121.675263 °	2 Y
5	0.10	0.28	Earthen Levee	Encroachments	LS	PO	Fences	38.175115 ° -121.675463 °	38.176805 ° -121.677893 °	4
6	0.28	0.35	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.174134 ° -121.674350 °	38.177610 ° -121.678816 °	6
7	0.44	0.47	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.178530 ° -121.679993 °	38.178834 ° -121.680388 °	7 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Solano County Public Works Mellin Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	11/22/2010 11/22/2010	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking northeast at bamboo on waterside at the entrance to levee.

richard_f_20100921_029.jpg



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.59
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Fence along the waterside shoulder.

richard_f_20100921_030.jpg



Levee Mile Report Line	3
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at dilapidated vehicles on landside toe.

richard_f_20100921_031.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	11/22/2010 11/22/2010	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking downstream (east) at slope damage on waterside slope and shoulder.

richard_f_20101123_466.jpg



Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking east at slope damage on waterside shoulder.

richard_f_20101123_467.jpg



Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking upstream (west) at slope damage on waterside slope and shoulder.

richard_f_20101123_468.jpg



*** Location**

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Unit No. 01 Mellin Levee	Right	0.59	11/22/2010 11/22/2010	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	0.44
End Levee Mile	0.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking downstream at dense vegetation on landside slope & toe.

richard_f_20101123_464.jpg



Levee Mile Report Line	7
Start Levee Mile	0.44
End Levee Mile	0.47
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking south at dense vegetation on landside slope and toe.

richard_f_20101123_465.jpg



*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable N : Not Inspected/Rated